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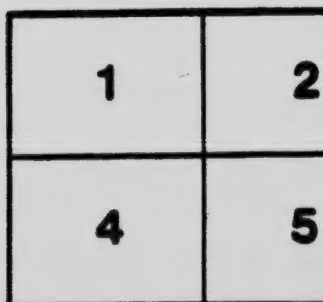
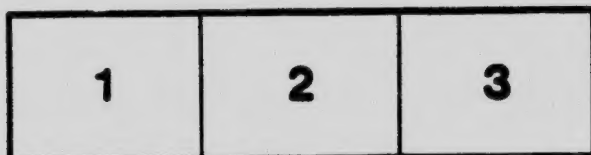
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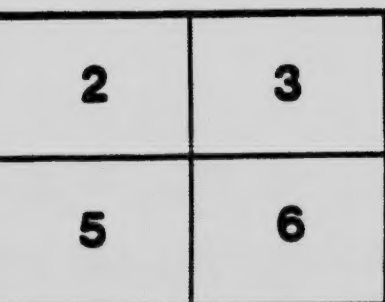
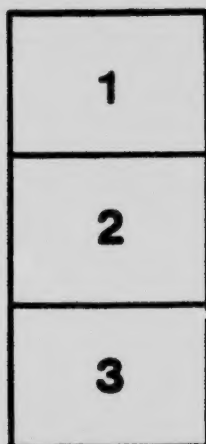
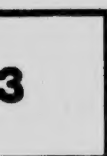
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Grand Valley Peat Products Limited

This Cover Contains
List of Peat

Grand Valley Peat Products

===== Limited =====

Non-personal liability.

Authorized Capital, - - - - \$200,000

In 4000 Shares at \$50.00 per Share.

Incorporated under the Ontario Companies' Act and Ontario
Mining Companies' Incorporation Act.

Offices: CONFEDERATION LIFE BUILDING,
TORONTO, Ont.

Phone Main 100

Works: GRAND VALLEY, Ont.



PROPOSED CAPACITY: 100 TONS PER DAY



DIRECTORS

PRESIDENT

HESSE A. NICHOLLS,
Manufacturers' Agent, Richmond Hill, Ont.

VICE-PRESIDENT

JOHN C. STEELE,
Merchant, Newtonbrook, Ont.

SECRETARY

W. H. JACKSON,
Treas. Marshall Sanitary Mattress Co., Limited,
Toronto, Ont.

TREASURER

W. D. EARNGEY,
Vice-Pres. Canada Saddlery Mfg. Co. of Oshawa, Limited,
Toronto, Ont.

J. A. MORDEN,
Financial Agent, Toronto, Ont.

S. H. SYKES,
Civil Engineer, Toronto, Ont.

ALEX. RICHARDSON,
Banker, Grand Valley, Ont.

BANKERS

THE IMPERIAL BANK OF CANADA

AUDITOR

A. M. CLARKSON

OBJECTS OF THIS COMPANY

1. The manufacture of (1) Domestic Peat Fuel, (2) Peat Coke, (3) Peat Gas, (4) Extraction and Distillation of By-Products, (5) Power Generation, etc.
 2. To rent, lease, purchase, own and operate peat bogs for Fuel and Power Generation for both industrial establishments and municipalities.
 3. To use the latest and most effective process obtainable.
-

The Fuel Question in Canada is fast becoming a serious one. Wood is getting scarcer, coal is getting dearer, industries and population rapidly increasing, and there is a demand for cheaper fuel as well as more of it. This Company promotes the manufacture of domestic peat fuel, peat coke, by-products, and the utilization of peat for lighting and power purposes.

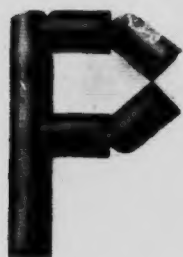
A careful perusal of the following pages is requested.

THE GRAND VALLEY PEAT PRODUCTS LIMITED

has been organized for the purpose of manufacturing Peat Fuel, Gas, Coke and other By-Products, the Company having purchased the property known as the Luther Peat Bog, situated in the Township of Luther, County of Dufferin, and adjacent to the Town of Grand Valley, Ontario. The Peat shows a depth of from 20 to 70 feet. The property has an area of over one thousand acres. Competent experts report that these deposits are of the very highest class to be found in Canada, and will produce a fuel equal if not superior to anything of the kind in Canada.

There being millions of tons of material, which makes the deposit inexhaustible. Much time, labor and money have been expended by the projectors of this enterprize in locating and testing these valuable deposits, which we are confident cannot be duplicated or excelled in their perfect adaptability in every particular for the manufacture of the highest grade Peat Fuel.

What is Peat ?



PEAT is a deposit of decomposed vegetable matter, generally to be found in valleys and low level or marshy places. The growth of moss, rushes, grasses, plants and other turfy accumulations, which, during the process of decay, form a dense and usually black

soil contain about eighty per cent. of water. Peat is the second stage of decayed plant or vegetable life plus earthy matter settled with it. **THE PEAT OF TO-DAY WILL, IF THE WORLD LASTS, BECOME THE COAL OF AGES TO COME.** This "black mud," as it is often called, possesses the qualities of fuel, and if properly treated can be made to take the place of wood and coal; and in countries like Canada serve for fuel purposes at a lower cost than either wood or coal. In nearly all the countries of Europe it has been largely used for fuel for domestic, industrial and power purposes.

The more thoroughly decomposition has taken place the more compact will be the deposit, and of course the closer or denser it is the greater quantity of fuel will it yield. All bogs are not of the same density or quality. Peat can be utilized for all the purposes coal serves, and with greater advantage in some things. As a fuel it is clean, pure, leaves but little ash, no clinkers or hard cinders, and is free from poisonous gases. It easily ignites and can be kept in for a long time by proper control of draft. It gives a good heat and can be regulated at will. It will burn anywhere and in any grate or furnace, or in the open air. Its price makes it cheaper than coal, while as a coke it excels for smelting purposes.

As far back as 1867 Her Majesty's Consul at Munich reported :



PEAT BLOCKS

"The Bavarian Government railways experimented with peat in 1845 for fuelling their engines and succeeded so well that the difference in the cost of fuel was as five to six in favor of peat."

Mr. Siemens, an eminent authority in the British Institute of Engineers, said at a meeting in 1874, he had employed peat for forging furnaces and steel melting furnaces and found it to be the best fuel that could be used. He should prefer it to the best coal for heating purposes.

It is one of the most satisfactory kinds of fuel that could be used in the nursery or sick chamber; there is no fuel that yields so mild and grateful a heat as peat. For consumptives and persons with delicate lungs, it is especially desirable, as it produces none of the painful effects of wood smoke, or coal gas. No sulphurous or noxious gas is produced, and it is also a good disinfectant.

The smoke from peat has no irritating effect on the eyes, and does not in the slightest degree affect respiration, and it has none of the drying, unpleasant effect of a coal fire.

Since that day great advances have been made in the science of peat treatment, and the application of newer methods still more advantageous are now in operation, so that, with the large and small bog areas in Canada, there need be no lack of a cheap and first-class fuel for all purposes. The study of the following pages will well repay the reader and the investor.

Peat Coke Clarifies Sugar

The by-products obtained are of a simple character and easily recovered in suitable condensers, where the volatile gases are liquefied containing the by-products mentioned; this liquor is subjected to fractional distillation by well-known methods, and the permanent gases forced into the super-heater and burned, furnishing the initial heat for carbonization. The coke made from specially prepared peat is coming into use in sugar refineries, largely in Germany, on account of its tendency to absorb vegetable colors from beet sugar, for which

purpose formerly only spodium made from bones was used; the price of this spodium ranges from \$50.00 to \$65.00 per ton. The use of peat coke by this process will reduce this cost considerably.

Peat Gas

Peat Gas is produced in Sweden, Norway and Germany in connection with blast furnaces, in suitable gas generators, a gas that is remarkably free from impurities, with only traces of phosphorous and sulphur, and hence splendidly adapted for high-grade steel and iron. For illuminating purposes the gas only needs to be brought up to the required candle-power.



RAKING PEAT

Peat Electricity

The presence of so many peat bogs of large size and depth in Canada in close proximity to the many manufacturing towns makes these circumstances peculiarly advantageous for installation of private or municipal gas or electric power stations. In order to avoid the unnecessary handling and freight charges it is advisable to transfer the calorific energy of the peat at the bog directly into electric energy, or gas, and distribute the power either by wire or pipe line to town and factories.

One ton of peat containing 15 per cent. of moisture will yield, if entirely turned into gas, 12,000 cubic feet.



PEAT BOG

Coke and By-Products

If the temperature is increased from 350° to 550° F. peat coke is produced. At this high temperature the volatile matter is driven off and condensed into suitable condensers. The resulting liquors will contain approximately the following :

- 1 per cent. Methyl-alcohol (*i.e.*, wood spirit).
- 2 per cent. Acetic Acid.
- 2 per cent. Sulphate of Ammonium.
- 300 Cubic feet permanent gases per 100 lbs., peat
—6,000 cubic feet per ton of peat.
- 6 per cent. tar or equal per ton of peat.

That is to say, the market value of these products would be approximately as follows :—

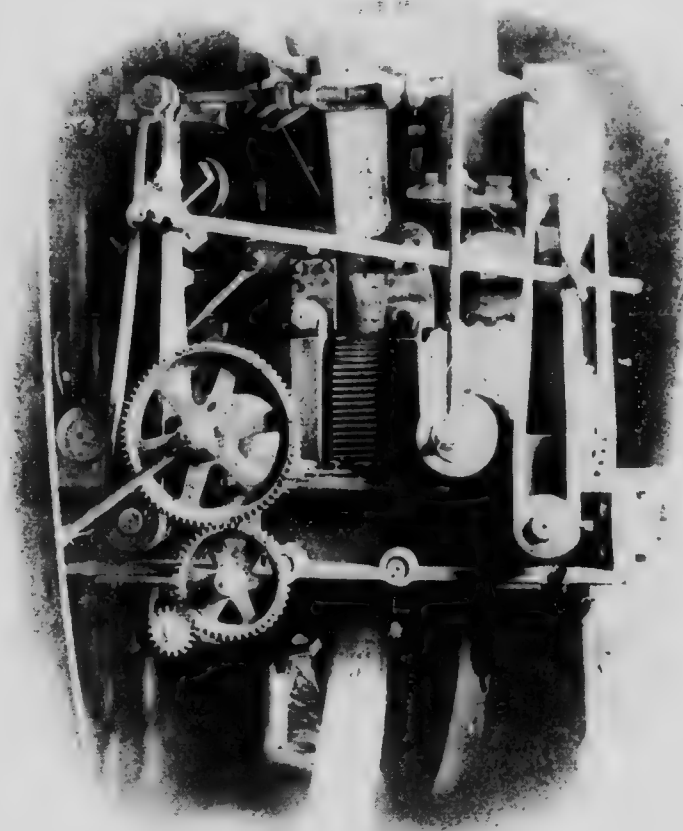
- 2 gallons Methyl-Alcohol, worth .60 per gal.
- 40 lbs. acetate of lime, worth - .01½ per lb.
- 40 " sulphate of Ammonium, \$50.00 per ton.
- 120 " tar, worth - - - .00¼ per lb.
- 640 " coke, worth - - - 6.00 per ton.
- 6000 feet (cubic) of fuel gas.

The coke thus obtained is used at present for the highest grade of Swedish tool steel and considered in calorific energy and purity superior to either coke or charcoal.

Thus peat produces :

1. A domestic fuel.
2. Coke for furnaces of all kinds.
3. Raw liquor which gives alcohol, ammonia and acetic acid.
4. Tar, which gives paraffin, kreosote oil, etc.
5. Gas for illumination and fuel purposes, generation of power, etc

It is a question of the near future when manufacturing establishments and electric light and power companies will give the matter of power generation from peat bogs the consideration it



W. A. MILNE'S PEAT MACHINE

deserves; the coal situation in Canada is forcing them to do it. The peat industry will then take its place as Canada's most important fuel medium.

Operations

The Company proposes to erect Buildings and Plant of the most modern design. Profiting by the experience of successful Peat Fuel Companies, the Plant will be equipped with the very latest and most up-to-date machinery and appliances obtainable, which it is estimated will produce A DAILY CAPACITY OF ONE HUNDRED TONS of Pressed Peat ready for the market. As it is the intention of the Directors and Officers conducting the affairs of the Company to place upon the market a first-class Peat Fuel, they are making arrangements to secure the very best men of experience



W. A. MILNE'S PEAT COLLECTOR

and skill to take charge of each department of the work.

Improvements in process of manufacture calculated to lessen the cost or improve the quality of the output will be utilized for the benefit of the Shareholders.

The Officers and Directors are elected annually by the shareholders of the Company.

All books and accounts will be regularly audited by a thoroughly competent auditor.

Costs and Profits

Plants can be erected from \$10,000.00 up to any amount required. Everything depends upon the amount of fuel it is desired to produce. After carefully estimating the expense of a suitable plant and cost of production of fuel, making liberal allowance for all contingencies and the market price of fuel, the Directors are satisfied that a good dividend can be paid to all Shareholders. The profits on the production of domestic fuel will be eminently satisfactory, while those on the production of peat coke and by-products are still greater, added to the increased revenue from the utilization of peat for fuel gas, illuminating gas and electrical energy.

Proposed Capacity 100 tons daily say for 200 days per year—20,000 tons per year, selling price at works \$3.00 per ton	\$60,000
Cost of manufacturing 20,000 tons at \$1.00 per ton	20,000
Net Profit per year . .	\$40,000

The business will be conducted economically and carefully. There will be no extravagant salaries paid, and in every way care will be taken to spend no money unnecessarily, and the shareholders may rest assured that every effort will be made to make as large returns in the way of dividends as possible.

The Directors, with the highest confidence in the commercial soundness of the investment, now invite subscriptions for stock at par.

The Terms of Payment for stock are as follows :—
50% of the amount subscribed payable with application, 50% payable in 30 days.

The right is reserved to allot a smaller number of shares than the amount subscribed for.

Address all communications and make all cheques payable to

GRAND VALLEY PEAT PRODUCTS, LIMITED,
Confederation Life Building,
TORONTO, ONT.



THE ARCADE PRINTING CO.
TORONTO

